



碧云天生物技术/Beyotime Biotechnology
 订货热线：400-168-3301或800-8283301
 订货e-mail：order@beyotime.com
 技术咨询：info@beyotime.com
 网址：http://www.beyotime.com

L-Lactate Dehydrogenase (Crude Enzyme)

| 产品编号 | 产品名称 | 包装 |
|-------------|--|-------|
| P3532-100ml | L-Lactate Dehydrogenase (Crude Enzyme) | 100ml |
| P3532-1L | L-Lactate Dehydrogenase (Crude Enzyme) | 1L |

产品简介：

- L-Lactate Dehydrogenase, 中文名为L-乳酸脱氢酶, 催化丙酮酸与乳酸之间还原与氧化反应。本产品为大肠杆菌表达的L-乳酸脱氢酶, 并经简单纯化获得的可以确保达到一定酶活力的粗酶液。
- 由于本产品需新鲜制备, 确认订购后约6个工作日才可以发货。个别情况首次制备出现问题, 发货时间会顺延。
- 本产品可以提供十公斤、百公斤乃至吨级的粗酶液, 如有需求请联系碧云天。
- Lactate dehydrogenase (LDH or LD) is an enzyme found in nearly all living cells (animals, plants, and prokaryotes). LDH catalyzes the conversion of lactate to pyruvic acid and back, as it converts NAD^+ to $NADH$ and back. A dehydrogenase is an enzyme that transfers a hydride from one molecule to another. LDH is expressed extensively in body tissues, such as blood cells and heart muscle. Because it is released during tissue damage, it is a marker of common injuries and disease such as heart failure. This product with the indicated enzyme activity was briefly purified from engineered *E.coli*.
- 产品详细信息见下表：

| About this product | |
|--------------------|---|
| Name | L-Lactate Dehydrogenase (Crude Enzyme); L-乳酸脱氢酶(粗酶液) |
| Application | 催化丙酮酸与乳酸之间还原与氧化反应 |
| Appearance | Clear to translucent yellow solution |
| Enzyme activity | Undetermined |
| About this enzyme | |
| Name | L-Lactate Dehydrogenase; L-乳酸脱氢酶 |
| CAS Number | 9001-60-9 |
| EC Number | 1.1.1.27 |
| Enzymatic Reaction | $(S)\text{-lactate} + NAD^+ = \text{pyruvate} + NADH + H^+$ |
| Synonyms | lactic acid dehydrogenase; L(+)-nLDH; L-(+)-lactate dehydrogenase; L-lactic dehydrogenase; L-lactic acid dehydrogenase; lactate dehydrogenase; lactate dehydrogenase NAD-dependent; lactic dehydrogenase; NAD-lactate dehydrogenase |
| Systematic name | $(S)\text{-lactate:NAD}^+$ oxidoreductase |
| Cofactor(s) | 3-acetylpyridine adenine dinucleotide; NAD^+ ; NADH |
| Application | medicine; synthesis; biotechnology; drug development |

包装清单：

| 产品编号 | 产品名称 | 包装 |
|-------------|--|-------|
| P3532-100ml | L-Lactate Dehydrogenase (Crude Enzyme) | 100ml |
| P3532-1L | L-Lactate Dehydrogenase (Crude Enzyme) | 1L |
| — | 说明书 | 1份 |

保存条件：

-20°C或更低温度保存, 至少1个月有效。

注意事项：

- 由于本产品需新鲜制备, 在您确认订购后约6个工作日才能发货。个别情况首次制备出现问题, 发货时间会顺延。
- 粗酶液的每次冻融均可能会引起部分失活, 所以收到酶液后请根据需要进行分装, 并置于-20°C或更低温度保存。
- 随着保存时间的延长, 酶活力会有一定程度的下降, 收到产品后应尽快使用。
- 本产品在生产和保存的过程中可能会有混浊或沉淀产生, 融化后混匀即可, 不影响正常使用。
- 本产品仅限于专业人员的科学研究用, 不得用于临床诊断或治疗, 不得用于食品或药品, 不得存放于普通住宅内。
- 为了您的安全和健康, 请穿实验服并戴一次性手套操作。

使用说明:

1. 收到产品后请立即使用或按照说明书推荐的条件保存。随着保存时间的延长，酶活力会有一定程度的下降。
2. 具体的最佳工作条件请自行参考相关文献，或者通过实验进行摸索和优化。

相关产品:

| 产品编号 | 产品名称 | 包装 |
|-------------|--|-------|
| P3532-100ml | L-Lactate Dehydrogenase (Crude Enzyme) | 100ml |
| P3532-1L | L-Lactate Dehydrogenase (Crude Enzyme) | 1L |

Version 2018.08.01